

HEC-WAT

Version 1.0, September 2017

Release Notes

HEC-WAT (Watershed Analysis Tool) Version 1.0 is the first release of the software. This release contains the following software:

HEC-WAT – Watershed Analysis Tool, Version 1.0
HEC-HMS - Hydrologic Modeling System, Version 4.2.1
HEC-ResSim - Reservoir Simulation, Version 3.3.1
HEC-FIA - Flood Impact Analysis, Version 3.0.1
HEC-SSP - Statistical Software Package, Version 2.2.1

HEC-RAS (River Analysis System) Version 5.0.3, needs to be installed separately. See the section on installation below.

Requirements

- Installation – For HEC-WAT - Russian River watershed data about 10 GB, and HEC-WAT Russian River watershed about 3 GB. About 3 GB of hard disk space for the HEC-RAS 5.0.3 install.
- Memory - 6 GB
- Operating System - Windows XP 64-bit, Windows 7, and Windows 10
- Java - HEC-WAT runs Java 8, which is included and run under the HEC-WAT installation folder

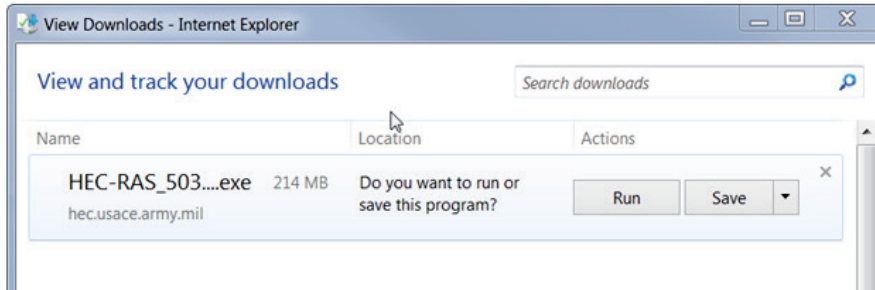
Installation

There are two install packages available from the HEC-WAT Download webpage (<http://www.hec.usace.army.mil/software/hec-wat/download.aspx>):

- Install HEC-WAT using the self-extracting exe file - "*HEC-WAT_10_Portable.exe*". This portable install will allow the user to install HEC-WAT anywhere on a computer (e.g., C:\Programs; C:\Users\xxxx\Desktop\). This file is 788 Mb in size
- Install HEC-WAT from an install package - "*HEC-WAT_10_Setup.exe*". This installs HEC-WAT to C:\Program Files (x86)\HEC\HEC-WAT\1.0. This install requires administrative rights. This file is 724 Mb in size

HEC-RAS Install

- If HEC-RAS Version 5.0.3 has not been installed on your computer, located in the HEC-WAT folder, in the "apps" folder is an **HEC-RAS 5.03. download** shortcut. Double-click on the shortcut, the user will be directed to the HEC-RAS download webpage, and the **View Downloads** dialog box will open. The user can choose to run the HEC-RAS install package or save the HEC-RAS install package and then run. The install of HEC-RAS requires that the user have administrative right.



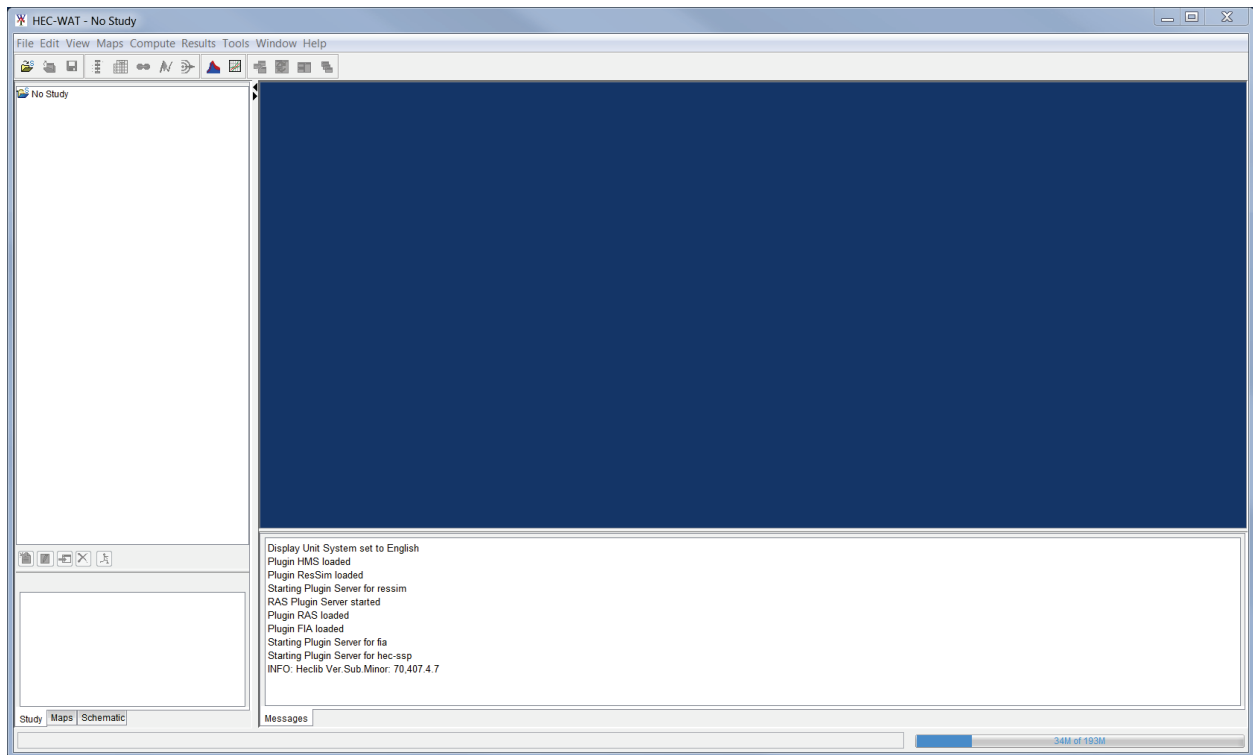
- Install the Russian River Watershed using the zip file - "*Russian_WAT.7z*".
- Install the Russian River folder using the zip file - "*RussianRiver_Data.7z*".
- To create an HEC-WAT shortcut, from the HEC-WAT directory, right click on "*wat.exe*" and drag to the desktop. Release, and from the shortcut menu click **Create shortcuts here**, an HEC-WAT shortcut will appear.



Starting HEC-WAT

When starting HEC-WAT, double-click the HEC-WAT icon (shortcut) on your desktop. The splash dialog box for HEC-WAT will open and will appear for a few seconds, and then the main window of HEC-WAT will appear. HEC-WAT is now ready for use.





HEC-WAT Documentation

The HEC-WAT User's Manual and Quick Start Guide are part of the HEC-WAT software. The two documents are located in the HEC-WAT folder, in the "documentation" folder. These documents will be updated, the most recent version will be available from the HEC-WAT Documentation webpage at: <http://www.hec.usace.army.mil/software/hec-wat/download.aspx>. The user can download the documentation files and copy to the "documentation" folder, so that from HEC-WAT the user is viewing the recent version of the documentation.